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: PRIOR APPLICATION NUMBER: PCT/US01/00670
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: US 60/234,687
: PRIOR FILING DATE: 2000-09-21
: PRIOR APPLICATION NUMBER: US 09/608,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,204
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 4917
: SOFTWARE: Autobox Sequence Listing Engine vers. 1.1
: SEQ ID NO 4781
: LENGTH: 29
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AL031116.1
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.8
: OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 2.1
: OTHER INFORMATION: EXPRESSED IN HR100, SIGNAL - 1.9
: OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL - 1.9
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.9
: OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 2.5
: OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 2
: OTHER INFORMATION: EXPRESSED IN UEL4, SIGNAL - 1.6
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 2.2
: OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.9
: OTHER INFORMATION: EST_HUMAN HIT: AW452877.1, EVALUATE 9.00e-01
US 09-864-761-37481

Query Match 100.0%; Score 24; DB 10; Length 29;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5
DB 8 KEELM 12

RESULT 2
US 09-989-903-59
: Sequence 59, Application US/09989903
: Patent No. US20020146804A1
: GENERAL INFORMATION:
: APPLICANT: Alnemri, Emad S.
: APPLICANT: Fernandez-Alnemri, Teresa
: TITLE OF INVENTION: CASPASE-14, AN APOPTOTIC PROTEASE, NUCLEIC ACID ENCODING
: FILE REFERENCE: AND METHODS OF USE
: FILE REFERENCE: 480140.434D1
: CURRENT APPLICATION NUMBER: US/09/989,903
: CURRENT FILING DATE: 2002-04-11
: NUMBER OF SEQ ID NOS: 78
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 59
: LENGTH: 53
: TYPE: PRT
: ORGANISM: Mus musculus
US 09-989-903-59

Query Match 100.0%; Score 24; DB 10; Length 53;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5
DB 5 KEELM 9

RESULT 3
US 09-764-869-652
: Sequence 652, Application US/09764869
: Patent No. US20020061521A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.

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: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PC007
: CURRENT APPLICATION NUMBER: US/09/764,869
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed refer to PALM or file wrapper
: NUMBER OF SEQ ID NOS: 2442
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 652
: LENGTH: 68
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (15)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-869-652

Query Match 100.0%; Score 24; DB 10; Length 68;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5
DB 27 KEELM 31

RESULT 4
US-09-815-242-11411
: Sequence 11411, Application US/09815242
: Patent No. US20020061569A1
: GENERAL INFORMATION:
: APPLICANT: Haselbeck, Robert
: APPLICANT: Ohlson, Kari L.
: APPLICANT: Zyskind, Judith W.
: APPLICANT: Wall, Daniel
: APPLICANT: Trawick, John D.
: APPLICANT: Carr, Grant J.
: APPLICANT: Yamamoto, Robert T.
: APPLICANT: Xu, H. Howard
: TITLE OF INVENTION: Identification of Essential Genes in
: FILE REFERENCE: ELITRA.011A
: CURRENT APPLICATION NUMBER: US/09/815,242
: CURRENT FILING DATE: 2001-03-21
: PRIOR APPLICATION NUMBER: 60/191,078
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: 60/206,848
: PRIOR FILING DATE: 2000-05-23
: PRIOR APPLICATION NUMBER: 60/207,727
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: 60/242,578
: PRIOR FILING DATE: 2000-10-23
: PRIOR APPLICATION NUMBER: 60/253,625
: PRIOR FILING DATE: 2000-11-27
: PRIOR APPLICATION NUMBER: 60/257,931
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: 60/269,308
: PRIOR FILING DATE: 2001-02-16
: NUMBER OF SEQ ID NOS: 14110
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 11411
: LENGTH: 164
: TYPE: PRT
: ORGANISM: Helicobacter pylori
US-09-815-242-11411

Query Match 100.0%; Score 24; DB 10; Length 164;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5
DB 132 KEELM 136

```

## RESULT 5

US-09-815-242-11573  
; Sequence 11573, Application US/99815242  
; Patent No. US20020061569A1  
; GENERAL INFORMATION:  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari L.  
; APPLICANT: Zyskind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John D.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: Identification of Essential Genes in  
; TITLE OF INVENTION: Prokaryotes  
; FILE REFERENCE: ELTRA 011A  
; CURRENT APPLICATION NUMBER: US/09/815,242  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/244,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/263,696  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/266,408  
; PRIOR FILING DATE: 2001-02-14  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11573  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Helicobacter pylori  
US-09-815-242-11573

Query Match  
Best Local Similarity 100.0%; Score 24; DB 10; Length 164;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 KEELM 5  
DB 132 KEELM 136

## RESULT 6

US-09-888-243-13  
; Sequence 13, Application US/99888243  
; Patent No. US20020136714A1  
; GENERAL INFORMATION:  
; APPLICANT: Horvitz, H. Robert  
; APPLICANT: Yuan, Junying  
; APPLICANT: Shiham, Shai  
; TITLE OF INVENTION: Polarizedness of Human Interleukin-1beta  
; TITLE OF INVENTION: Convertase Gene to a C. Elegans Cell Death Gene, Inhibitory  
; FILE REFERENCE: 01997/211003  
; CURRENT APPLICATION NUMBER: US/09/888,243  
; CURRENT FILING DATE: 2001-06-23  
; PRIOR APPLICATION NUMBER: US/09/083,662  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: US/08/394,189  
; PRIOR FILING DATE: 1995-02-24  
; PRIOR APPLICATION NUMBER: US/08/282,211  
; PRIOR FILING DATE: 1994-07-11  
; PRIOR APPLICATION NUMBER: US/07/984,182  
; PRIOR FILING DATE: 1992-11-20  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11573  
; LENGTH: 164  
; TYPE: PRT  
; ORGANISM: Helicobacter pylori

Query Match  
Best Local Similarity 100.0%; Score 24; DB 10; Length 164;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5  
DB 132 KEELM 136

; PRIOR APPLICATION NUMBER: US 07/897,788  
; PRIOR FILING DATE: 1992-06-12  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 171  
; TYPE: PRT  
; ORGANISM: Murine  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: 118  
; OTHER INFORMATION: Xaa - Ala or Val  
US-09-888-243-13

Query Match  
Best Local Similarity 100.0%; Score 24; DB 10; Length 171;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5  
DB 69 KEELM 73

## RESULT 7

US-09-888-243-26  
; Sequence 26, Application US/99888243  
; Patent No. US20020136714A1  
; GENERAL INFORMATION:  
; APPLICANT: Horvitz, H. Robert  
; APPLICANT: Yuan, Junying  
; APPLICANT: Shiham, Shai  
; TITLE OF INVENTION: Polarizedness of Human Interleukin-1beta  
; TITLE OF INVENTION: Convertase Gene to a C. Elegans Cell Death Gene, Inhibitory  
; FILE REFERENCE: 01997/211003  
; CURRENT APPLICATION NUMBER: US/09/888,243  
; CURRENT FILING DATE: 2001-06-23  
; PRIOR APPLICATION NUMBER: US/09/083,662  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: US/08/394,189  
; PRIOR FILING DATE: 1995-02-24  
; PRIOR APPLICATION NUMBER: US/08/282,211  
; PRIOR FILING DATE: 1994-07-11  
; PRIOR APPLICATION NUMBER: US/07/984,182  
; PRIOR FILING DATE: 1992-11-20  
; PRIOR APPLICATION NUMBER: US/07/897,788  
; PRIOR FILING DATE: 1992-06-12  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 26  
; LENGTH: 172  
; TYPE: PRT  
; ORGANISM: Murine  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: 118  
; OTHER INFORMATION: Xaa - Any Amino Acid  
US-09-888-243-26

Query Match  
Best Local Similarity 100.0%; Score 24; DB 10; Length 172;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5  
DB 69 KEELM 73

## RESULT 8

US-09-888-243-27  
; Sequence 27, Application US/99888243  
; Patent No. US20020136714A1  
; GENERAL INFORMATION:

```

: APPLICANT: Horvitz, H. Robert
: APPLICANT: Yuan, Junying
: APPLICANT: Shahan, Shai
: TITLE OF INVENTION: Relatedness of Human Interleukin 1beta
: TITLE OF INVENTION: Convertase Gene to a C. Elegans Cell Death Gene, Inhibitory
: FILE REFERENCE: 01997/211003
: CURRENT APPLICATION NUMBER: US/09/888,243
: PRIOR FILING DATE: 2001-06-22
: PRIOR APPLICATION NUMBER: US 09/083,662
: PRIOR FILING DATE: 1998-05-22
: PRIOR APPLICATION NUMBER: US 08/394,189
: PRIOR FILING DATE: 1995-02-24
: PRIOR APPLICATION NUMBER: US 08/282,211
: PRIOR FILING DATE: 1994-07-11
: PRIOR APPLICATION NUMBER: US 07/984,182
: PRIOR FILING DATE: 1992-11-20
: PRIOR APPLICATION NUMBER: US 07/897,788
: PRIOR FILING DATE: 1992-06-12
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 27
: LENGTH: 172
: TYPE: PRT
: ORGANISM: Murine
: NAME/KEY: VARIANT
: LOCATION: 118
: OTHER INFORMATION: Xaa - Any Amino Acid
US 09-888-243-27

```

```

Query Match 100.0%; Score 24; DB 10; Length 172;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 KEELM 5
DB 69 KEELM 73

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```

RESULT 9
US 10 060-425-15
: Sequence 15, Application US/1006-04-5
: Patent No. US2002016450A1
: GENERAL INFORMATION:
: APPLICANT: Hiesche, Ronald
: TITLE OF INVENTION: Methods of Assessing Wolfram Protein Activity
: FILE REFERENCE: 00450.US1
: CURRENT APPLICATION NUMBER: US/10/060,425
: PRIOR FILING DATE: 2002-01-30
: PRIOR APPLICATION NUMBER: 60/266,385
: PRIOR FILING DATE: 2001-02-02
: NUMBER OF SEQ ID NOS: 17
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 15
: LENGTH: 434
: TYPE: PRT
: ORGANISM: Alysia
US 10 060-425-15

```

```

Query Match 100.0%; Score 24; DB 9; Length 434;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 KEELM 5
DB 418 KEELM 422

```

```

RESULT 10
US-09-827-040-7
: Sequence 7, Application US/09827040
: Patent No. US20010024792A1

```

```

: GENERAL INFORMATION:
: APPLICANT: Chen, Hong
: APPLICANT: Meyer, Joanne
: TITLE OF INVENTION: Method of detecting risk of Type II diabetes Based on
: TITLE OF INVENTION: Mutations Found in Carboxypeptidase E
: FILE REFERENCE: 5800-14, 035800/174130
: CURRENT APPLICATION NUMBER: US/09/827,040
: CURRENT FILING DATE: 2001-04-05
: PRIOR APPLICATION NUMBER: 09/233,989
: PRIOR FILING DATE: 1999-01-19
: PRIOR APPLICATION NUMBER: 60/195,102
: PRIOR FILING DATE: 1998-10-21
: NUMBER OF SEQ ID NOS: 10
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 7
: LENGTH: 434
: TYPE: PRT
: ORGANISM: alysia
: FEATURE:
: OTHER INFORMATION: carboxypeptidase E
US-09-827-040-7

```

```

Query Match 100.0%; Score 24; DB 10; Length 434;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 KEELM 5
DB 418 KEELM 422

```

```

RESULT 11
US-09-888-243-28
: Sequence 28, Application US/09888243
: Patent No. US20020136714A1
: GENERAL INFORMATION:
: APPLICANT: Horvitz, H. Robert
: APPLICANT: Yuan, Junying
: APPLICANT: Shahan, Shai
: TITLE OF INVENTION: Relatedness of Human Interleukin-beta
: TITLE OF INVENTION: Convertase Gene to a C. Elegans Cell Death Gene, Inhibitory
: FILE REFERENCE: 01997/211003
: CURRENT APPLICATION NUMBER: US/09/888,243
: PRIOR FILING DATE: 2001-06-22
: PRIOR APPLICATION NUMBER: US 09/083,662
: PRIOR FILING DATE: 1998-05-22
: PRIOR APPLICATION NUMBER: US 08/394,189
: PRIOR FILING DATE: 1995-02-24
: PRIOR APPLICATION NUMBER: US 08/282,211
: PRIOR FILING DATE: 1994-07-11
: PRIOR APPLICATION NUMBER: US 07/984,182
: PRIOR FILING DATE: 1992-11-20
: PRIOR APPLICATION NUMBER: US 07/897,788
: PRIOR FILING DATE: 1992-06-12
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 28
: LENGTH: 451
: TYPE: PRT
: ORGANISM: Murine
US-09-888-243-28

```

```

Query Match 100.0%; Score 24; DB 10; Length 451;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 KEELM 5
DB 349 KEELM 353

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RESULT 12

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US-10-060-425-4
; Sequence 4, Application US/10060425
; Patent No. US20020164650A1
; GENERAL INFORMATION:
; APPLICANT: Hiebsch, Ronald
; TITLE OF INVENTION: Methods of Assessing Wollramin Protein Activity
; FILE REFERENCE: 00450 US1
; CURRENT APPLICATION NUMBER: US/10/060,425
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: 60/266,385
; PRIOR FILING DATE: 2001-02-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-425-4

Query Match      100.0%   Score 24; DB 9; Length 476;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KEELM 5
      |||||
Db      460 KEELM 464

RESULT 13
US-10-060-425-12
; Sequence 12, Application US/10060425
; Patent No. US20020164650A1
; GENERAL INFORMATION:
; APPLICANT: Hiebsch, Ronald
; TITLE OF INVENTION: Methods of Assessing Wollramin Protein Activity
; FILE REFERENCE: 00450 US1
; CURRENT APPLICATION NUMBER: US/10/060,425
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: 60/266,385
; PRIOR FILING DATE: 2001-02-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Rattus sp.
US-10-060-425-12

Query Match      100.0%   Score 24; DB 9; Length 476;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KEELM 5
      |||||
Db      460 KEELM 464

RESULT 14
US-10-060-425-14
; Sequence 14, Application US/10060425
; Patent No. US20020164650A1
; GENERAL INFORMATION:
; APPLICANT: Hiebsch, Ronald
; TITLE OF INVENTION: Methods of Assessing Wollramin Protein Activity
; FILE REFERENCE: 00450 US1
; CURRENT APPLICATION NUMBER: US/10/060,425
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: 60/266,385
; PRIOR FILING DATE: 2001-02-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 476

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; TYPE: PRT
; ORGANISM: Murinae gen. sp.
US-10-060-425-14

Query Match      100.0%   Score 24; DB 9; Length 476;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KEELM 5
      |||||
Db      460 KEELM 464

RESULT 15
US-09-827-040-2
; Sequence 2, Application US/09827040
; Patent No. US20010024792A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Hong
; TITLE OF INVENTION: Method of Detecting Risk of Type II Diabetes Based on
; TITLE OF INVENTION: Mutations Found in Carboxypeptidase E
; FILE REFERENCE: 5800-14, 035800/174130
; CURRENT APPLICATION NUMBER: US/09/827,040
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 09/233,989
; PRIOR FILING DATE: 1999-01-19
; PRIOR APPLICATION NUMBER: 60/105,102
; PRIOR FILING DATE: 1998-10-21
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-040-2

Query Match      100.0%   Score 24; DB 10; Length 476;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KEELM 5
      |||||
Db      460 KEELM 464

Search completed: January 16, 2003, 17:00:07
Job time : 4.07143 secs

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